

cg synchronization, transformation means for transforming said signals into the frequency domain, and demodulation means for demodulating said signals.--

REMARKS

Favorable reconsideration of the application is respectfully requested in light of the amendments and remarks herein.

Applicants acknowledge with appreciation that the Examiner has indicated that claims 1-8, 10, 14, and 18 are allowable.

By this amendment, claims 9 and 13 have been amended. Claims 1-16 and 18 remain pending.

In Section 2 of the Office Action, the Examiner has rejected claims 9, 11-13, and 15-16 under 35 U.S.C. §102(e) as being anticipated by Seki (U.S. Patent 5,694,389). It is respectfully submitted that Seki, as relied upon by the Examiner, does not disclose or suggest claims 9, 11-13, and 15-16.

Claim 9 of the present application calls for a receiving method for receiving OFDM-signals comprising M identical or respectively mirrored wave forms within one OFDM-timeburst, wherein M is an integer and $M \geq 2$. The receiving method comprises: receiving the OFDM-signals, correlating the wave forms to obtain time synchronization using M-1 correlators, transforming the signals into the frequency domain, and demodulating the signals. Accordingly,

correlating the M wave forms to obtain time synchronization is affected by the number (M) of identical or respectively mirrored wave forms within one OFDM-timeburst because M-1 correlators are used for correlating the M wave forms.

The portions of Seki referenced by the Examiner do not appear to disclose or suggest claim 9. In particular, Seki, as relied upon by the Examiner, does not appear to disclose or suggest using M-1 correlators in correlating M identical or respectively mirrored wave forms as called for in claim 9. Therefore, the portions of Seki referenced by the Examiner do not appear to disclose or suggest claim 9. Accordingly, it is respectfully submitted that Seki, as relied upon by the Examiner, does not anticipate or suggest claim 9, and so also does not anticipate or suggest claims 10-12 that depend therefrom. Similar arguments apply to claims 13-16.

Based upon the foregoing, it is believed that claims 9, 11-13, and 15-16 are not anticipated by nor rendered obvious by the teachings of Seki as relied upon by the Examiner. Accordingly, it is believed that the Examiner's rejection of claims 9, 11-13, and 15-16 based upon 35 U.S.C. §102(e) has been overcome by the present remarks and withdrawal thereof is respectfully requested.

In Section 4 of the Office Action, the Examiner has objected to claims 10 and 14 as being dependent upon a rejected base claim. However, as discussed above, it is believed that the rejections to claims 9 and 13, from which claims 10 and 14 depend, respectively, have been overcome. Accordingly, it is respectfully requested that the objection to claims 10 and 14 be withdrawn.

Conclusion

In view of the foregoing, entry of this Amendment, and the allowance of this application with claims 1-16 and 18 is respectfully solicited.

In regard to the claims amended herein and throughout the prosecution of this application, it is submitted that these claims, as originally presented, are patentably distinct over the prior art of record, and that these claims were in full compliance with the requirements of 35 U.S.C. §112. Changes to these claims, as presented herein, are not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

In the event that additional cooperation in this case may be helpful to complete its prosecution, the Examiner is cordially invited to contact Applicants' representative at the telephone number written below.

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account 50-0320.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made."

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claims 9 and 13 have been rewritten as follows.

Claim 9 has been rewritten as follows:

--9. (Amended) Receiving method for receiving OFDM-signals comprising M identical or respectively mirrored wave forms within one OFDM-timeburst, wherein M is an integer and $M \geq 2$, comprising the steps of

receiving said OFDM-signals,

correlating said wave forms to obtain time synchronization using M-1 correlators,

transforming said signals into the frequency domain, and

demodulating said signals.--

Claim 13 has been rewritten as follows:

--13. (Amended) Receiving apparatus for receiving OFDM-signals comprising M identical or respectively mirrored wave forms within one OFDM-timeburst, wherein M is an integer and $M \geq 2$, comprising

receiving means for receiving said OFDM-signals,

correlation means (28, 29, 30, 31) correlating said wave forms to obtain time synchronization, wherein said correlation means includes M-1 correlators,

synchronization, transformation means for transforming said signals into the frequency domain, and

demodulation means for demodulating said signals.--

END AMENDMENT